

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:5237

ANSWERED ON:05.04.2017

Wheel Sensors to Monitor Maintenance

Kamal Nath Shri ;Scindia Shri Jyotiraditya Madhavrao

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways has recently decided to procure advanced wheel sensors to monitor maintenance needs of coaches, tracks and locos for ensuring safe travels;
- (b) if so, the details of the companies/countries from which such trains wheel sensors are likely to be procured and the conditions laid down, if any, for such procurement;
- (c) whether the trials of the train wheel sensors have since been conducted; and
- (d) if so, the results thereof and to what extent it will help railways in timely detection of various defects?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS
(SHRI RAJEN GOHAIN)

(a) Indian Railways wishes to install railway vehicle mounted sensor based "On Board Condition Monitoring System" that will monitor the health and safety of key components of the coaches, freight cars, locomotives that would finally result in improved safety, improved reliability, higher utilization, increased up-time and reduced operation cost of the railway assets by enabling Predictive Maintenance and reduction in sudden catastrophic failures of these assets.

(b) Expression of Interest (Eoi) for development of Sensor based On- board Condition Monitoring System (OBCMS) has been called for selection of latest technology. Eoi have been received from 11 companies as detailed below:-

1. M/s SKF India Ltd, Gurgaon.
2. M/s Structural Solutions Pvt. Ltd, Hyderabad.
3. M/s Amstead Rail Company Inc, Chicago, IL.
4. M/s RSL Electronics Ltd., Ha`Emek, ISRAEL.
5. M/s Star Navigation Systems Group Ltd, New Delhi.
6. M/s Medha Servo Drives Pvt Ltd. Hyderabad.
7. M/s Secure Rail India Pvt Ltd. , New Delhi. representing M/s Perpetuum Co. UK.
8. M/s IRD Mechanalysis Ltd, Mumbai.
9. M/s Stone India Ltd. Kolkata.
- 10.M/s RT Vision Technologies (P) Ltd. NOIDA.
- 11.M/s APNA Technologies & Solutions Pvt. Ltd. Chennai.

(c) No, Madam.

(d) Does not arise.
